

Kaukauna Locks and Dam, Storage Building at Lock 3
Approximately 20 feet northeast of the lock
Kaukauna
Outagamie County
Wisconsin

HAER No. WI-87-1

HAER
WIS
44-KAUK,
3I-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

KAUKAUNA LOCKS AND DAM, STORAGE BUILDING AT LOCK 3

HAER NO. WI-87-I

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44-KAUK,
3 I-

Location: The Storage Building at Kaukauna Lock 3 is located northeast of the lock and east of the dry dock in French lot PC 35, T21N, R18E, Civil Town of Vandebroek, Outagamie County, Wisconsin.

UTM: 16/399820/4903920; USGS Quadrangle: Kaukauna, Wisconsin 7.5' series

Date of Construction: 1982

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Storage of paint and petroleum products.

Significance: The storage building functions as part of the daily operation of the Kaukauna Locks and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

STORAGE BUILDING

The storage building at Lock 3 was part of a November 11, 1982 order placed by the Fox River Project Office for seven TL-1 type, prefabricated metal buildings from Armco Building Systems of Cincinnati, Ohio. The Lock 3 example is approximately 6 feet 8 inches square and 8 feet high. It has a flat roof, one metal door, and one louvered vent panel in the rear. Wall and ceiling panels are assembled on a concrete foundation.¹

ENDNOTES

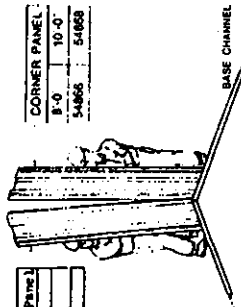
- 1 Armco Steel Buildings, Erection Instructions TL-1 Building, sheets ET-115, ET-116, ET-118, ET-119.

CORNER ERECTION

Starting at a corner assemble a corner panel and typical panel by bolting the intersecting ribs to the base channel with bolt and nut. (See detail for proper corner brace location and bolt.) Mark door and window locations so that short panels can be installed.

Typical Steel Ltr. Panel	8'-0"	10'-0"
	54498	54499

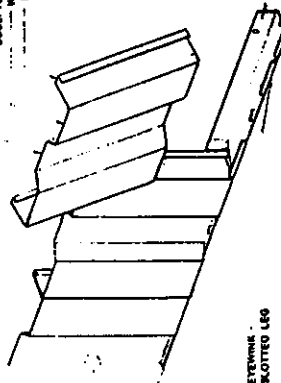
CORNER PANEL	8'-0"	10'-0"
	54866	54868



BASE CHANNEL

PHANEL OVER SHING DOORS	8'	10'
ALL	54498	54504

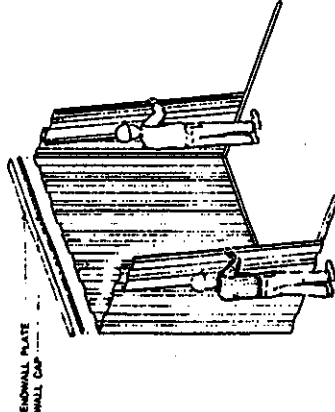
SCAFFOLDING



EYEBOLT
SLOTTED LEO

WALL ERECTION

Erect end wall panels by placing the bottom of panel on base channel with panel ribs in base channel slots and panel with outside of slotted legs. Panel exposure must be inside of base channel eye-bolt. Intersect male ribs with the female ribs of the preceding panel and bolt intersecting ribs to the base channel.

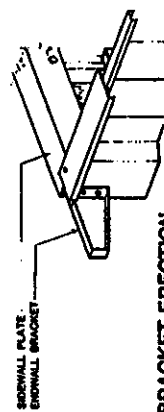


ENDWALL PLATE
WALL CAP

WALL CAP AND PLATE SCHEDULE	5'-4"	8'-0"	12'-0"
ENDWALL CAP	50384	50385	50384
REAR OR ENDWALL PLATE	60610	60611	60612
FRONT PLATE	60631	60632	60633

WALL CAP & PLATE ERECTION

Place wall cap and plate on endwall panels. Plumb and square panels, but do not wrench splices plate bolts. Erect the side walls, one wall from outside the building and the other wall from inside the building. Install sidewall wall caps and plates against corner panels. Top of front plate should be 1/2" above wall panels and rear plate should rest on wall panels. Erect second end wall and wall cap. Position end wall plates flush with front and rear plates, then wrench splices all plate bolts. See door and window instructions for installation. For 8'-4" long building field cut sidewall plate and wall cap.



ENDWALL PLATE
ENDWALL BRACKET

BRACKET ERECTION

Attach end wall brackets (60614 or 60615) flush with top of sidewall plates using two 1/2" x 1/2" THSS at each corner. Field drill using 1/4" drill.

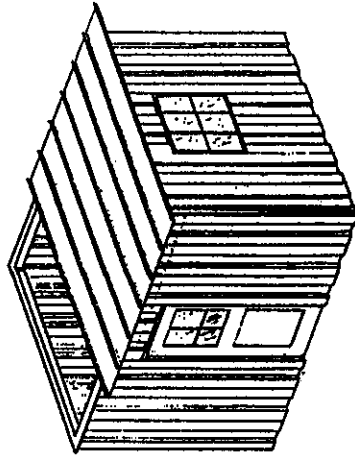
ROOF ERECTION

* If ceiling is to be installed, it must be erected at the same time as is the roof...see std. ceiling detail.

Check building walls for plumb and square. Apply a continuous strip of tape sealant on top of plate. Set the first roof panel with the female rib 8" outside of endwall and with 8" of overhang on each sidewall. Field drill roof panel to match holes in plate and bolt with 1/4" x 3/4" bolts with weather seal washer.

Continue setting roof panels bolting only to the rear plate and keeping ends of panels even. Move rear wall and set the roof panels to maintain the 8" overhang. Again check the walls for plumb and square.

Field drill and bolt the roof panels to the front plate and endwall plates. Place fascia over male ribs of the last roof panel. (Note: If ceiling is to be installed, do not erect last roof panel at this time...see std. ceiling detail.) If alternate outer-fascia is used, see E1-121. Attach eye flashing rods around building with #10 x 7/8" x 5/8" 18" O.C. Field cut ends at corners for closing tab.



BLDG. WIDTH	5'-4"	8'-0"	12'-0"
A LERO	50378	54648	50653
B LERO	50378	54648	50657
C LERO	50378	54648	66681
D LERO	50378	54648	50657
E LERO	50378	54648	50657

ROOF AND WALL ERECTION TL-1 BUILDING

9/63	ET-119
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